

ABSTRACT OF THE DISCLOSURE

5 A method and apparatus for controlling the charge and discharge currents in a
battery (2) as a function of temperature. When a battery (2) is charged or discharged
in an environment that approaches its design operating temperature extreme, the
currents are reduced to limit self-heating of the battery and thus extend the useful
operating environment temperature range. A temperature sensor (18) is coupled to a
10 controller (6) to sense the battery (2) temperature. The temperature information is
used to set a suitable charging or discharging current (8).